

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Application Number	10/081,345
		Filing Date	February 22, 2002
		First Name Inventor	Martin Karpf
		Group Art Unit	1623
		Examiner Name	Devesh Khare
Sheet 1 of 6	Attorney Docket Number		20407 US1

NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
<i>mk</i>	C14	K.G. AKAMANCHI, et. al., "Diisopropoxyaluminium Trifluoroacetate: A New off the Shelf Metal Alkoxide Type Reducing Agent for Reduction of Aldehydes and Ketones," Synlett, 371-372 (1997)	
	C15	C. ANAYA de PARRODI, et. al. "Application of Phosphorylated Reagents Derived from N,N'-di-[(S)- α -phenylethyl]cyclohexane-1,2-diamines in the Determination of the Enantiomeric Purity of Chiral Alcohols," Tetrahedron: Asymmetry, 9, 2093-2099 (1998)	
	C16	C. ANAYA de PARRODI, et. al., "Synthesis of Enantiomerically Pure N-(S)- α -Methylbenzyl- β -Aminoalcohols by Regio-and Stereoselective Ring Opening of Epoxides," An Quim. Int. Ed., 92, 400-404 (1996)	
	C17	A.P.A. ARBORE, et. al., "A Rapid Approach to Amino-Acid Derivatives by [2,3]-Stevens Rearrangement" Synlett, 2, 236-38 (2000)	
	C18	J. AUGE, et. al., "Lithium Trifluoromethanesulfonate-catalysed Aminolysis of Oxiranes," Tetrahedron Lett. 37, 7715-7716 (1996)	
	C19	P. BARBARO, et. al., "New Enantiomerically Pure Aminoalcohols from (R)- α -Methylbenzylamine and Cyclohexene Oxide," Tetrahedron: Asymmetry 7, 843-850 (1996)	
	C20	M. BEATON, et. al., "Synthesis of 6-Amino-3,5-deoxyinositol 1-Phosphates via (1R,2R,4R,6S)-1,6 Epoxy-2,4-bis-benzoyloxycyclohexane Aminolysis in Aqueous Ytterbium Triflate Solution," Tetrahedron Lett., 39, 8549-8552 (1998)	
<i>mk</i>	C21	F. BRION "On the Lewis Acid Catalyzed Diels-Alder reaction of Furan. Regio-and Stereospecific Synthesis of Substituted Cyclohexenols and Cyclohexadienols," Tetrahedron Letters, 23, 5299-5302 (1982)	
Examiner Signature	<i>Devesh Khare</i>		Date Considered 7/2/04

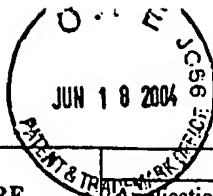
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me	C22	F.M. CALLAHAN, et. al., "The Tertiary Buyl Group as a Blocking Agent for Hydroxyl Sulfhydryl and Amido Functions in Peptide Synthesis" J. Am. Chem. Soc. 85, 201-7 (1963)	
	C23	M. CANAS, et. al., "Regioselective Ring Opening of Chiral Epoxyalcohols by Primary Amines," Tetrahedron Lett. 32, 6931-6934 (1991)	
	C24	M. CHINI, et. al. "Metal Salts as New Catalysts for Mild and Efficient Aminolysis of Oxiranes," Tetrahedron Lett. 31, 4661-4664 (1990)	
	C25	M. CHINI, et. al. "Regioalternating Selectivity in the Metal Salt Catalyzed Aminolysis of Styrene Oxide," J. Org. Chem. 56, 5939-5942 (1991)	
	C26	J.M. CHONG, et. al., "Nucleophilic Openings of 2,3-Epoxy Acids and Amides Mediated by Ti(O- <i>i</i> -Pr) ₄ Reliable C-3 Selectivity," J. Org. Chem.. 50, 1560-1563 (1985)	
	C27	C.R. CLARK, et. al., "Highly Selective Opioid Analgesics. Synthesis and Structure-Activity Relationships of Novel N-[2-Aminocyclohexyl]aryl]acetamide and N-[2-Aminocyclohexyl]aryloxy]acetamide Derivatives," J. Med. Chem., 31, 831-836 (1988)	
	C28	G.E. COATES, et. al. "Some t-Butylmagnesium and Related Complexes. Reactions between Hydrides and Organomagnesium Compounds," J. Chem. Soc (A) 514-518 (1968)	
	C29	N. DE KIMPE, et. al., "Synthesis of 2,2-Dialkyl-1-aminocyclopropanecarboxylic Acids from α -Chloro Ketimines," J. Org. Chem. 55, 5777-5784 (1990)	
	C30	J.A. DEYRUP, et. al. "1,2,3-Oxathiazolidines-a New Heterocyclic System", J. Org. Chem 34, 175-179 (1969)	
	C31	M.J. EARLE, et. al. "A New Synthesis of Primary Amines Using tert-Butylamine as an Ammonia Equivalent: The Triflic Acid Catalysed Removal of N-tert-Butyl Groups from Carbamates," Synlett, 621-623 (1990)	
me	C32	D.F. EVANS, et. al., "Studies in Grignard Reagents. Part II. NNN'N'-Tetraethylethylene-diamine Grignard Adducts," J. Chem. Soc (A) 1648-1649 (1967)	



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MK	C33	M. FUJIWARA, et. al. "Tetraphenylstibonium Triflate as a Regio- and Chemoselective Catalyst in the Reaction of Oxiranes with Amines," Tetrahedron Lett., 30, 739-742 (1989)	
	C34	F. GARRO-HELION, et. al., "Mild and Selective Palladium(0)-Catalyzed Deallylation of Allylic Amines. Allylamine and Diallylamine as Very Convenient Ammonia Equivalents for the Synthesis of Primary Amines," J. Org. Chem. 58, 6109-6113 (1993)	
	C35	P.R. HALFPENNY, et. al. "Highly Selective κ -Opioid Analgesics. 2. Synthesis and Structure-Activity Relationships of Novel N-[2-Aminocyclohexyl]aryl]acetamide Derivatives," J. Med. Chem. 32, 1620-1626 (1989)	
	C36	J.Y. HAM, et. al., "A New Convenient Method for the Monoprotection of ω -alkanediamines," Bull. Korean Chem. Soc., 15, 1025-1027 (1994)	
	C37	G. HOFLE, et. al. "4-Dialkylaminopyridines as Highly Active Acylation Catalysts", Angew Chem. Int. Ed. Engl., 17, 569-583 (1978)	
	C38	M. KARPFF, et. al., "New, Azide-Free Transformation of Epoxides into 1,2-Diamino Compounds: Synthesis of the Anti-influenza Neuraminidase Inhibitor Oseltamivir Phosphate (Tamiflu)," J. Org. Chem. 66, 2044-2051 (2001)	
	C39	G.S. KAUFFMAN, et. al., "An Efficient Chiral Moderator Prepared from Inexpensive (+)-3-Carene: Synthesis of the HIV-1 Non-Nucleoside Reverse Transcriptase Inhibitor DPC 963," Org. Lett., 2, 3119-3121 (2000)	
M	C40	R.N. LACEY, "The Acid-catalysed Heterolysis of Amides with Alkyl-Nitrogen fission (A_{AL})," J. Chem. Soc. 1633-1639 (1960)	

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dlu	C41	S. LEPPANEN, et. al., "Nucleophilic Reactivity; Part VIII. Kinetics of Reactions of Acetic Anhydride with Nucleophiles in Water," Acta Chem. Scand., 27, 3572-3578 (1973)	
	C42	G.E. MCCASLAND, et. al., "Stereochemistry of Aminocyclanols. Synthesis of <i>cis</i> Epimers via Oxazolines. The 2-Aminocyclopentanols," J. Am. Chem. Soc. 72, 2190-2195 (1950)	
	C43	S.P. MCMANUS, et. al., "The Synthesis of Aminoalcohols From Epoxides and Ammonia," Synthetic Communications 3, 177-180 (1973)	
	C44	M. MEGURO, et. al. "Ytterbium Triflate and High Pressure-mediated Ring Opening of Epoxides with Amines," J. Chem. Soc., Perkin Trans. 1, 2597-2601 (1994)	
	C45	M. MEGURO, et. al. "Ytterbium Triflate Catalyzed Ring Opening of Aziridines with Amines," Tetrahedron Lett., 35, 7395-7398 (1994)	
	C46	M. MOUSSERON, et. al., "No. 173.-Recherches en serie alicyclique(34 memoire)," Bull. Soc.Chim.Fr. 757-766(1952)	
	C47	K. NAKAJIMA, et. al., Studies on Aziridine-2-carboxylic Acid.I. Synthesis of the Optically Active-L-Aziridine-2-carboxylic Acid and its Derivatives," Bull. Chem. Soc. Jpn. 51, 1577-1578 (1978)	
	C48	M. POCH, et. al. "A Versatile Enantiospecific Approach to 3-Azetidinols and Aziridines," Tetrahedron Lett., 32, 6935-6938 (1991)	
	C49	G.H. POSNER, "Organic Reactions at Alumina Surfaces," Angew.Chem.Int.Ed.Engl.17, 487-496 (1978)	
	C50	G.H. POSNER, et. al. "Organic Reactions at Alumina Surfaces. Mild and Selective Opening of Epoxides by Alcohols, Thiols, Benzeneselenol, Amines, and Acetic Acid," J. Am. Chem. Soc. 99, 8208-8214 (1977)	
am	C51	G.H. POSNER, et. al. "Organic Reactions at Alumina Surfaces, Mild and Selective Opening of Arene and Related Oxides by Weak Oxygen and Nitrogen Nucleophiles," J. Am. Chem. Soc. 99, 8214-8218 (1977)	

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all	C52	S. RAMPALLI, et. al., "Diisopropoxyaluminum Trifluoroacetate: A New Promoter for Aminolysis of Epoxides," Synthesis 1, 78-80 (2000)
	C53	D.C. REES; "Nucleophilic Addition of 2-,3-, or 4-[2-(Methylamino)ethyl]pyridine to the Aziridine, 7-Methyl-7-azabicyclo[4.1.0]heptane," J. heterocycl. Chem., 27, 147-150 (1990)
	C54	D.C. REES; "Synthesis of Perhydro-2(1H)-quinoxalinones and Perhydropyrrolo[1,2- α]quinoxalin-4(5H)-one Derivatives," J. Het. Chem., 24, 1297-1300 (1987)
	C55	D.B. REITZ, et. al., "A Directed Metalation of <i>N</i> -tert-Butyl- <i>N</i> -methyl-2-methoxybenzamide. Short Syntheses of 2-Methoxy-6-Methylbenzoic Acid and Lunularic," J. Org. Chem. 55, 1375-79 (1990)
	C56	J. RITTER, et. al. "A New Reaction of Nitriles. I. Amides from Alkenes and Mononitriles," J. Am. Chem. Soc. 70, 4045-4048 (1948)
	C57	S. SAGAWA, et. al. "Catalytic Asymmetric Aminolysis of 3,5,8-Trioxabicyclo[5.1.0]octane Providing an Optically Pure 2-Amino-1,3,4-butanetriol Equivalent," J. Org. Chem. 64, 4962-4965 (1999)
	C58	C.M. SCHUELLER, et. al. "Preparation of (R)-(+)-7 Oxabicyclo[2.2.1]hept-5-ene-exo=2-carboxylic Acid, a Precursor to Substrates for the Ring Opening Metathesis Polymerization," Tetrahedron Letters, 37, 8853-8856 (1996)
	C59	S.Y. KO, et. al., "In Situ Opening of Epoxy Alcohols: A Convenient Alternative to the Isolation of Unstable Epoxy Alcohols," J. Org. Chem. 51, 5413-5415 (1986)
	C60	J. SZMUSZKOVICZ, et. al.; "Benzeneacetamide Amines: Structurally Novel Non- μ Opioids," J. med. Chem., 25, 1125-1126
	all	C61

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all	C62	Y. UEDA, et. al. "Highly Regioselective Formation of Bromohydrins by Reaction of Epoxy-Azetidinones with MgBr ₂ ; An Alternative Route to 4-Bromomethylcarbonylmethyl-2-Azetidinone, A Key Carbapenem Precursor", Tetrahedron Lett. 29, 5197-5200 (1988)
	C63	H. URABE, et. al., "Ring Opening of the Epoxide Moiety of (2S, 3S, 4S)-4-Amino-2,3-epoxy-1-alkanol and its Derivatives: A Key Role of Ti(O-i-Pr) ₄ as a Mild Catalyst," Tetrahedron 48, 5639-5646 (1992)
	C64	S. VORWERK, et. al., "Carbocyclic Analogues of N-Acetyl-2,3-didehydro-2-deoxy-D-neuraminic Acid (Neu5Ac2en, Dana)" Synthesis and Inhibition of Viral and Bacterial Neuraminidases", Angew. Chem. Int. Ed. 37, 1732-1734 (1998)
	C65	F. WINTERNITZ, et. al. "No. 70-Quelques Nouvelles Reactions de la Cyclohexenimine-1,2," Bull. Soc. Chim. Fr. 382-391 (1955)
	C66	M. YOSHIDA, et. al., "Selective Synthesis of Five and Six Membered Cyclic Carbamates by the Reaction of 2-(1-Haloalkyl) Oxiranes with Carbon Dioxide and Aliphatic Primary Amines," Heterocycles, 35, 623-626 (1993)
	C67	S. ZHAO, et. al. "Regioselective and Stereoselective Syntheses of 1,2,3-Triaminocyclohexane Derivatives," J.Org. Chem. 58, 4043-4048 (1993)
all	C68	J. MARCH, "Reactions, Mechanisms, and Structure," Advanced Organic Chemistry, 4 th Edition, John Wiley & Sons, New York, p. 352-357 (1992)
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